

Wei Chen

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,826
citations

249298

26
h-index

325983

40
g-index

40
all docs

40
docs citations

40
times ranked

4653
citing authors

#	ARTICLE	IF	CITATIONS
1	Macrophage-targeted nanomedicine for the diagnosis and treatment of atherosclerosis. <i>Nature Reviews Cardiology</i> , 2022, 19, 228-249.	6.1	171
2	RNA cancer nanomedicine: nanotechnology-mediated RNA therapy. <i>Nanoscale</i> , 2022, 14, 4448-4455.	2.8	28
3	Precise control of the structure of synthetic hydrogel networks for precision medicine applications. <i>Matter</i> , 2022, 5, 18-19.	5.0	23
4	Microalgae-based oral microcarriers for gut microbiota homeostasis and intestinal protection in cancer radiotherapy. <i>Nature Communications</i> , 2022, 13, 1413.	5.8	78
5	2D materials-based nanomedicine: From discovery to applications. <i>Advanced Drug Delivery Reviews</i> , 2022, 185, 114268.	6.6	53
6	Multifunctional nanocarrier with self-catalytic production of nitric oxide for photothermal and gas-combined therapy of tumor. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 77-90.	5.0	6
7	Expanding nanoparticle multifunctionality: size-selected cargo release and multiple logic operations. <i>Nanoscale</i> , 2021, 13, 5497-5506.	2.8	5
8	Stanene-Based Nanosheets for ¹²⁵ Iodine Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie</i> , 2021, 133, 7231-7240.	1.6	12
9	Capturing functional two-dimensional nanosheets from sandwich-structure vermiculite for cancer theranostics. <i>Nature Communications</i> , 2021, 12, 1124.	5.8	227
10	Stanene-Based Nanosheets for ¹²⁵ Iodine Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7155-7164.	7.2	113
11	Cryogenic Exfoliation of 2D Stanene Nanosheets for Cancer Theranostics. <i>Nano-Micro Letters</i> , 2021, 13, 90.	14.4	43
12	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3447-3464.	5.7	35
13	Arsenene Nanodots with Selective Killing Effects and their Low-Dose Combination with ¹²⁵ Iodine for Cancer Therapy. <i>Advanced Materials</i> , 2021, 33, e2102054.	11.1	93
14	Glucose-responsive oral insulin delivery platform for one treatment a day in diabetes. <i>Matter</i> , 2021, 4, 3269-3285.	5.0	36
15	Biomaterials and nanomedicine for bone regeneration: Progress and future prospects. <i>Exploration</i> , 2021, 1, 20210011.	5.4	90
16	Intercalation-Driven Formation of siRNA Nanogels for Cancer Therapy. <i>Nano Letters</i> , 2021, 21, 9706-9714.	4.5	33
17	Orally deliverable strategy based on microalgal biomass for intestinal disease treatment. <i>Science Advances</i> , 2021, 7, eabi9265.	4.7	88
18	Magnetic resonance imaging of high-intensity focused ultrasound-stimulated drug release from a self-reporting core-shell nanoparticle platform. <i>Chemical Communications</i> , 2020, 56, 10297-10300.	2.2	16

#	ARTICLE	IF	CITATIONS
19	Isoquinoline thiosemicarbazone displays potent anticancer activity with in vivo efficacy against aggressive leukemias. <i>RSC Medicinal Chemistry</i> , 2020, 11, 392-410.	1.7	6
20	Magnetic Heating Stimulated Cargo Release with Dose Control using Multifunctional MR and Thermosensitive Liposome. <i>Nanotheranostics</i> , 2019, 3, 166-178.	2.7	26
21	Shortwave Infrared Imaging with J-Aggregates Stabilized in Hollow Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019, 141, 12475-12480.	6.6	128
22	A Responsive Mesoporous Silica Nanoparticle Platform for Magnetic Resonance Imaging-Guided High-Intensity Focused Ultrasound-Stimulated Cargo Delivery with Controllable Location, Time, and Dose. <i>Journal of the American Chemical Society</i> , 2019, 141, 17670-17684.	6.6	71
23	A near-infrared light-controlled smart nanocarrier with reversible polypeptide-engineered valve for targeted fluorescence-photoacoustic bimodal imaging-guided chemo-photothermal therapy. <i>Theranostics</i> , 2019, 9, 7666-7679.	4.6	25
24	Magnetically Stimulated Drug Release Using Nanoparticles Capped by Self-Assembling Peptides. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43835-43842.	4.0	29
25	Dual Delivery of HNF4 α and Cisplatin by Mesoporous Silica Nanoparticles Inhibits Cancer Pluripotency and Tumorigenicity in Hepatoma-Derived CD133-Expressing Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19808-19818.	4.0	40
26	Nanomachines and Other Caps on Mesoporous Silica Nanoparticles for Drug Delivery. <i>Accounts of Chemical Research</i> , 2019, 52, 1531-1542.	7.6	230
27	Spatial, Temporal, and Dose Control of Drug Delivery using Noninvasive Magnetic Stimulation. <i>ACS Nano</i> , 2019, 13, 1292-1308.	7.3	88
28	Stimuli-Responsive Nanomachines and Caps for Drug Delivery. <i>The Enzymes</i> , 2018, 43, 31-65.	0.7	15
29	Facile Strategy Enabling Both High Loading and High Release Amounts of the Water-Insoluble Drug Clofazimine Using Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31870-31881.	4.0	51
30	Molecular Elucidation of Biological Response to Mesoporous Silica Nanoparticles in Vitro and in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22235-22251.	4.0	82
31	Dual delivery of siRNA and plasmid DNA using mesoporous silica nanoparticles to differentiate induced pluripotent stem cells into dopaminergic neurons. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3012-3023.	2.9	38
32	Analyte-responsive gated hollow mesoporous silica nanoparticles exhibiting inverse functionality and an AND logic response. <i>Nanoscale</i> , 2016, 8, 18296-18300.	2.8	13
33	Black Phosphorus Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3653-3657.	7.2	594
34	Efficient Spin-Light Emitting Diodes Based on InGaN/GaN Quantum Disks at Room Temperature: A New Self-Polarized Paradigm. <i>Nano Letters</i> , 2014, 14, 3130-3137.	4.5	26
35	Focal Amplification of HOXD-Harboring Chromosome Region Is Implicated in Multiple-Walled Carbon Nanotubes-Induced Carcinogenicity. <i>Nano Letters</i> , 2013, 13, 4632-4641.	4.5	11
36	Nonviral Cell Labeling and Differentiation Agent for Induced Pluripotent Stem Cells Based on Mesoporous Silica Nanoparticles. <i>ACS Nano</i> , 2013, 7, 8423-8440.	7.3	78

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37	Manganese-enhanced MRI of rat brain based on slow cerebral delivery of manganese(II) with silica-encapsulated Mn ₃ Fe ₂ O ₈ nanoparticles. <i>NMR in Biomedicine</i> , 2013, 26, 1176-1185.	1.6	19
38	Non-Cytotoxic Nanomaterials Enhance Antimicrobial Activities of Cefmetazole against Multidrug-Resistant <i>Neisseria gonorrhoeae</i> . <i>PLoS ONE</i> , 2013, 8, e64794.	1.1	39
39	PEGylated silica nanoparticles encapsulating multiple magnetite nanocrystals for high-performance microscopic magnetic resonance angiography. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 99B, 81-88.	1.6	25
40	Triapine (3-aninopyridine-2-carboxaldehyde thiosemicarbazone) Induces Apoptosis in Ovarian Cancer Cells. <i>Journal of the Society for Gynecologic Investigation</i> , 2006, 13, 145-152.	1.9	42